

# Templates for Contingencies: The Underworld of Area Planning

## What does this mean?

Area Planning can be powerful but is often lost  
In generalities.

To be powerful the work is long and demanding.



# Templates for Contingencies: The Underworld of Area Planning

Work with State and local officials...to assure preplanning of joint response efforts, including appropriate procedures for mechanical recovery, dispersal, shoreline cleanup, protection of sensitive environmental areas, and protection, rescue, and rehabilitation of fisheries and wildlife.

- Historically, text document with generalities.
- How can we do this better?
- Using
  - databases
  - GIS
  - GPS
  - other information management technologies
  - Other planning processes



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Work with State and local governments ...appropriate procedures for

- mechanical recovery
- dispersal
- shoreline cleanup
- protection of sensitive environmental areas
- fisheries and wildlife
  - protection
  - rehabilitation
  - restoration

Protection strategies

Preapproval zones

SCAT

ISA

Plans for hazing, rehabilitation centers

Hook into restoration plans





# Templates for Contingencies: The Underworld of Area Planning

## Protection Strategies



## Pre-Approved Dispersant Use Zones in California



# Templates for Contingencies: The Underworld of Area Planning

## Shoreline Cleanup Assessment Treatment

SCAT

Detailed Shoreline Assessment

- Detailed forms with specific codes used

- Detailed measurements

- Mapping/Sketches

- Photographs/Video

- Sampling

- Cleanup & Endpoint Recommendations

- Consensus

“Hot Spot” Assessments

Rapid Assessment





# Plans for wildlife rehabilitation

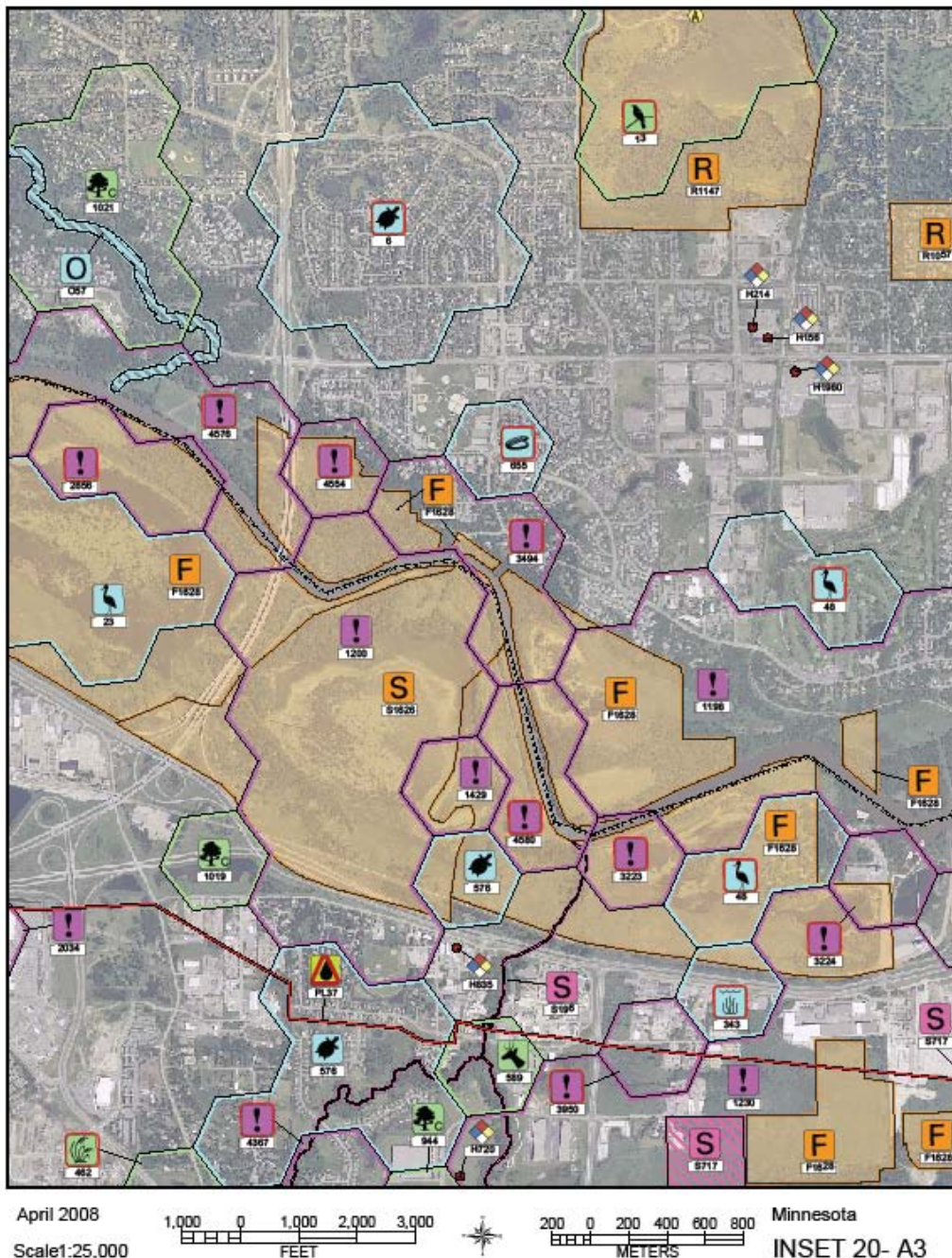


**California Oiled Wildlife Care Network in Action**



# Templates for Contingencies: The Underworld of Area Planning

## Inland Sensitivity Atlas





# Templates for Contingencies: The Underworld of Area Planning

Describe in detail how the plan is integrated into other Area Contingency Plans  
And vessel, ...and facility response plans...

Jurisdictional Boundary Layer





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## Emergency Response EPA New England



Site Information Provided	Approximate Area Population		
Address	1 mile radius	1/2 mile radius	1/4 mile radius
1 CONGRESS ST:02114	38,481	19,648	3,214
Search Date and Time	Potential EJ Status		
4/23/2009 7:58:16 AM	This location is in a potential EJ area due to low income.		

Search results of the features located within one mile of site:

**DRINKING WATER >10,000** (Records found: 0)  
None.

**TIER2** (Records found: 36)

- Putnam Investments, Inc., One Post Office Square, Boston, MA

Contact Information											
Contact Type	First Name	Last Name	Title		Organization	Phone Numbers					
Emergency Contact		SITE SECURITY	SITE SECURITY			(617) 760-3911	24-hour				
Emergency Contact	Guido	Costa	Facility Manager			617-760-8331	Work	617-760-3911	24-hour		
Chemical Inventory											
Chemical Description							Physical and Health Hazards				
Name	Pure	Mix	Solid	Liquid	Gas	EHS	Fire	Pressure	Reactivity	Acute	Chronic
Ultra Low Sulfur Diesel Fuel	X			X			X			X	X
Sulfuric Acid		X		X		X				X	X
Lead		X	X							X	X

- Fidelity Investments, New York City, One Financial Center, New York, NY

Contact Information					
Contact Type	First Name	Last Name	Title	Organization	Phone Numbers
Parent Company	Joanne	Francis	Facility Manager, Fidelity Investments		
Chemical Inventory					





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Describe the area covered by the plan, including the areas of special economic or environmental importance that might be damaged by a discharge.

Nineteen minimum essential elements identified by EPA

Boundaries

Lakes

Streams

Rivers

Wetlands

Roads

Railroads

Locks and Dams

Boat access

Marinas

Tribal Lands

Pipelines

Fixed facility storage

Surface water intakes

Sensitive species

Managed areas

Special designated areas

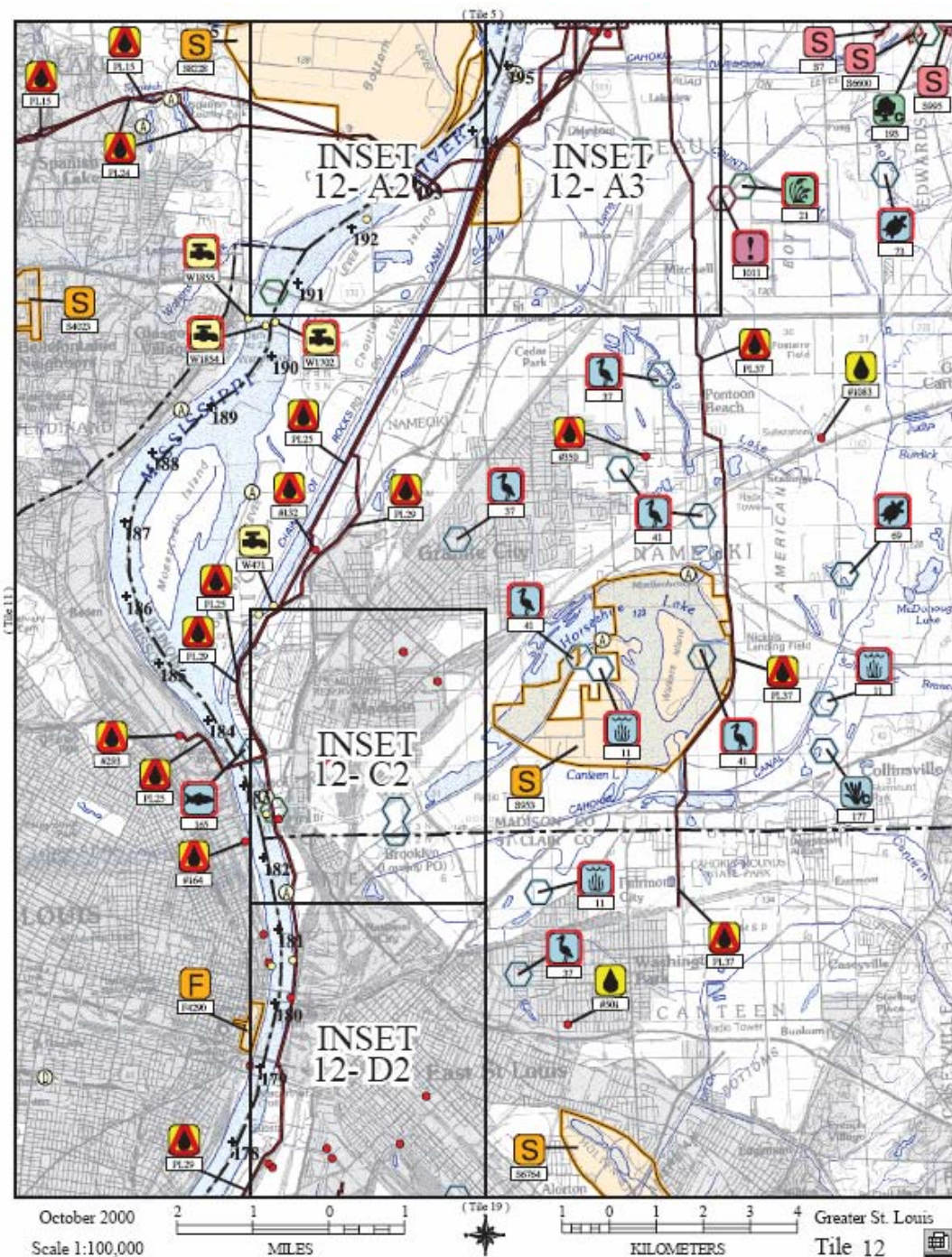
Historic sites

Archaeological sites



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Describe in detail the responsibilities of an owner or operator and of Federal, State, and local agencies in removing a discharge and in mitigating or Preventing a substantial threat of a discharge.





# Templates for Contingencies: The Underworld of Area Planning

List equipment (including firefighting equipment), dispersants, or other mitigating substances and devices and personnel available to an owner operator and ...  
Agencies to ensure an effective and immediate removal of a discharge



# Templates for Contingencies: The Underworld of Area Planning

Compile a list of local scientists, both inside and outside Federal Government Service with expertise in the environmental effects of spills of the types of oil typically transported in the area, who may be contacted to provide information or where appropriate, participate in meetings of the scientific support team convened in response to a spill...

Net Environmental Benefit Analysis



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SANTA BARBARA SYSTEM:  
Length of Recovery Period

		> 10 yrs	5 - 10 yrs	1 - 4 yrs	< 1 yr
% of Resource Affected	> 50%				
	30 - 50%				
	10 - 30%				
	0 - 10%				

*Legend:* Cells that are red represent a **high** level of concern, cells shaded yellow represent a **moderate** level of concern, and cells shaded green represent a **limited** area of concern.





## RELATIVE RISK MATRIX SUMMARY

Ecosystems	Shoreline						Nearshore						
Resources	Vegetation	Mammals	Birds	Herptiles	Macroinvertebrates	Microinvertebrates	Vegetation	Mammals	Birds	Herptiles	Fish	Macroinvertebrates	Microinvertebrates
<b>Response Options:</b>													
Natural Recovery	1A	1B	2A	1A	3B	2C	4D	4C	4A	n/a	1A	2C	4C
Mechanical Removal	2A	2B	3A	1B	4A	3B	4C	4C	4B	n/a	1B	2B	4B
Shoreline Cleaners	2A	2B	3A	1B	4A	3B	4B	4C	4B	n/a	1B*	2B	4B
<i>In-situ</i> Burning	2B	3B	3B	1B	4A	3B	n/a	n/a	n/a	n/a	n/a	n/a	n/a

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Include any other information the President requires

Hazmat releases  
Regulated facilities  
Transportation incidents  
All hazard response  
Homeland Security

